

Appendix D
POTABLE WATER AND WASTEWATER
TREATMENT FACILITIES

The Kissimmee Basin (KB) Planning Area contains part of six counties: Okeechobee, Orange, Osceola, Polk, Highlands, and Glades counties. The portions of these counties within the KB Planning Area will be referred to as county areas. Only four of these areas, Okeechobee, Orange, Osceola, and Polk county areas, contain regional water treatment facilities.

POTABLE WATER TREATMENT FACILITIES

Most potable water used in the KB Planning Area is produced either by large (>0.50 MGD) or small (<0.50 MGD) water treatment facilities. This section focuses on the larger facilities, which due to their existing or future design capacities, could have an impact on the water resource.

There are 36 existing and four proposed large and/or regional facilities in eight service areas within the KB Planning Area. These water treatment facilities are located mostly in the urbanized areas throughout the KB Planning Area. Five of the facilities are privately owned. Of the 36 existing facilities, 21 use aeration, nine use chlorination, one uses ozonation, and the remaining four use a combination of these and other treatment methods. All five of the proposed facilities plan to use ozonation when they are operational. Several of the facilities plan to convert to ozonation by 2020. Thirty-three of the facilities use the Floridan aquifer for raw water supply while 1 uses water from Lake Okeechobee and one uses water from the Surficial Aquifer System (SAS). In 1995, the total treatment capacity of these facilities was 208.87 million gallons per day (MGD) and they had an average annual demand of 70.19 MGD. The locations for the water treatment facilities within their associated service areas are provided in **Figures D-1** through **D-3**. Key information for each utility is summarized in **Table D-1**.

Summary descriptions for each of the water treatment facilities are presented in this section. Each utility capsule contains the following information:

- **Raw Water Supply** - This section states the SFWMD permit number with the issue and expiration dates, a summary of withdrawal facilities, and the SFWMD approved allocations. All well depths are measured from land surface.
- **Treatment Method** - This section presents the current FDEP-rated capacity, the method of treatment, the location of the treatment plant, and the 1995 (October 1994 through September 1995) average daily flow.
- **Interconnections** - This section describes water distribution system interconnections with other potable water distribution systems.
- **Proposed** - This section states any current construction or permitting that is underway.

- Future - This section presents projected utility flows (as provided by the utility) and known future treatment plant expansions and plans, including additional facilities and wellfields.